

1. Binomische Formel

$$(a + b)^2 = a^2 + 2ab + b^2$$

weil $(a+b)^2 = (a+b)(a+b) = a^2+ab+ab+b^2 = a^2 + 2ab + b^2$

2. Binomische Formel

$$(a - b)^2 = a^2 - 2ab + b^2$$

weil $(a-b)^2 = (a-b)(a-b) = a^2 - ab -ab + b^2 = a^2 - 2ab + b^2$

3. Binomische Formel

$$(a + b)(a - b) = a^2 - b^2$$

weil $(a+b)(a-b) = a^2 - ab + ab -b^2 = a^2 - b^2$